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नई दिल्ली, शनिवार, नवम्बर ३, १९७३ (कार्तिक १२, १८९५)

No. 44] NEW DELHI, SATURDAY, NOVEMBER 3, 1973 (KARTIKA 12, 1895)

भाग III—खण्ड २

PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 3rd November, 1973.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE.

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

12th October 1973

2263/Cal/73. Allis-Chalmers Corporation. Improved method of and apparatus for heat-treating material involving heat recuperation from material cooling and auxiliary heating at startup.

2264/Cal/73. Allis-Chalmers Corporation. Improved process of heat-treating magnetite iron ore involving heat recuperation from cooling of the product.

2265/Cal/73. Bayer Aktiengesellschaft. Basic dyestuffs.

2266/Cal/73. Deere & Company. Engine enclosure and cooling system.

2267/Cal/73. Hollandse Signaalapparaten B. V. Method for the manufacture of yarn, apparatus for the application of this method and yarn obtained by applying the same method.

2268/Cal/73. Kraftwerk Union Aktiengesellschaft. An axial flow turbine.

2269/Cal/73. International Nickel Limited. Electrolytic treatment of chromium-containing alloys and electrolytes for use therein. (12th October 1972).

2270/Cal/73. Gruppo Lepetit S.p.A. Tetrahydro pyrrolo (1, 2-a) pyrazine-1 (2H), (3H)-diones.

2271/Cal/73. Ghh Basel AG. Improvements in or relating to filtering units.

307GX/73

15th October 1973.

2272/Cal/73. Prof. R. P. Rastogi, Dr. Harendra Singh and Sushma Rastogi. A quick and economical process for the synthesis of malemic acids.

2273/Cal/73. Pfizer Inc. Preparation of trisubstituted pyridine derivatives. (4th November 1971). [Divisional date 2nd February 1972].

2274/Cal/73. U. Sharon. Laser device with articulated arm.

2275/Cal/73. U. Sharon and I. Kaplan. Laser device particularly useful as surgical scalpel.

2276/Cal/73. C.A.V. Limited. Electrical switches. (14th October 1972).

2277/Cal/73. Hershey Foods Corporation. Methods and materials for treating plants.

2278/Cal/73. Bethlehem Steel Corporation. Method for producing manganese oxide pellets.

2279/Cal/73. Constantin Graf Von Berckheim. Apparatus for the generation of unipolar air ions.

2280/Cal/73. Vereinigte Aluminium-Kerke Aktiengesellschaft. Apparatus for producing mouldings by compression. (29th June 1973).

2281/Cal/73. Societe Alsacienne De constructions Mechaniques De Mulhouse. Carries for weft insertion by the rapier principle with positive gripping for shuttleless looms.

2282/Cal/73. Alrac Corporation. Polymers of 2-pyrrolidone. [Addition to No. 128333]. [Divisional date 2nd September 1971].

2283/Cal/73. Metallgesellschaft Aktiengesellschaft. Process of converting hydrogen sulfide into elementary sulfur by the claus process.

2284/Cal/73. W. Ehret. A protective device for covering the axial space or gap created between a swinging door panel and the jamb on which it is hinged. (8th August 1973).

- 2285/Cal/73. Licentia Patent-Verwaltungs G.m.b.H. A method of producing homogeneously doped regions in semiconductor components. (18th July 1973).
- 2286/Cal/73. N. G. Vihanji. A torch.
- 2287/Cal/73. Ahneuser-Busch, Incorporated. Method of making glucose isomerase and using same to convert glucose to fructose.
- 2288/Cal/73. S. S. Jain, Dr. S. P. Sharma and Miss Arunima Kedar. Steel detector.
- 2289/Cal/73. R. L. Agarwal and C. S. Sangha. Avoiding accidents of vehicle named Rajender Sangha device.

16th October 1973

- 2290/Cal/73. Council of Scientific and Industrial Research. A novel apparatus for oxidation of silicon wafers for the fabrication of semiconductor devices.
- 2291/Cal/73. Council of Scientific and Industrial Research. Improvements in or relating to an apparatus for diffusion of impurities in semiconductors using liquid dopants.
- 2292/Cal/73. Delalande S. A. Novel carbamates of 3, 4, 5-trimethoxy-acetophenoneoxime, their process of preparation and their therapeutic application.
- 2293/Cal/73. Labaz. Alicyclic compounds and process for preparing the same. (18th October 1972).
- 2294/Cal/73. C. A. V. Limited. Starting circuits for compression-ignition engines. (18th October 1972).
- 2295/Cal/73. Stamicarbon B. V. Process for preparing cycloalkanones and cycloalkanols.
- 2296/Cal/73. Brighton Corporation Limited. Vacuum retaining jar.
- 2297/Cal/73. Ascu Hickson Ltd. Improvements in or relating to curved furniture components.
- 2298/Cal/73. Sigma-Tau S.p.A. Ind, Farmaceutiche Riunite Process of manufacturing derivatives of triazolinone.
- 2299/Cal/73. Fosco International Limited. Refractory heat insulating materials. (19th October 1972).
- 2300/Cal/73. Palitex Project-Company GMBH. Double twisting spindle.
- 2301/Cal/73. Palitex Project-Company GMBH. Device for the positioning of a spindle rotor of a spinning or twisting spindle, especially a double twist.
- 2302/Cal/73. Palitex Project-Company GMBH. A device for stopping and locking a carriage for a servicing device for a twisting machine, spooling machine, or the like.
- 2203/Cal/73. V. G. Iljunin, I. A. Kuznetsov, V. M. Murogov and A. N. Shmelev. Method of bringing nuclear power plant to fractional electric load conditions.
- 2304/Cal/73. Siemens Aktiengesellschaft. Improvements in or relating to processes for the permanent polarisation of piezoelectric material. (17th October 1972).
- 2305/Cal/73. Libbey-Owens-Ford Company. Apparatus for conveying hot glass.
- 2306/Cal/73. Vyzkumny ustav bavlnarsky. Method of apparatus for open-and spinning yarn.
- 2307/Cal/73. Emhart Corporation. Cooling system for glass forming mold.
- 2308/Cal/73. E. I. du Pont de Nemours and Company. Electrolytic cells and processes.

17th October 1973

- 2309/Cal/73. The Bauer Bros. Co., Screen units used for dewatering and classifying the contents of a liquid slurry.

- 2310/Cal/73. Dunlop Limited. Pneumatic tyres. (20th October 1972).
- 2311/Cal/73. International Flavors & Fragrances Inc. Edible compositions having a meat flavor and processes for making same.
- 2312/Cal/73. Siemens Aktiengesellschaft. Improvements in or relating to rotary motor switches.
- 2313/Cal/73. Siemens Aktiengesellschaft. Improvements in or relating to rotary motor switches.
- 2314/Cal/73. G. Wolff Jr. KG. Improvements relating to coking oven doors.
- 2315/Cal/73. Crinos Industria Farmacobiologica S.p.A. Process for preparing salts of amino-acids with polysulfuric esters of natural glycopeptides.
- 2316/Cal/73. Wiggins Teape Research & Development Limited. Treating waste paper. (2nd November 1972).
- 2317/Cal/73. Polysar Limited, (formerly known as Polymer Corporation Limited), Vulcanization of bromobutyl. (23rd October 1972).

18th October 1973

- 2318/Cal/73. British Insulated Callender's Cables Limited. Wire drawing machinery. (19th October 1972).
- 2319/Cal/73. Solvay & Cie. Process for the polymerisation of olefines.
- 2320/Cal/73. The Lucas Electrical Company Limited. Indicator panels. (28th October 1972).
- 2321/Cal/73. Burroughs Corporation. Improved print train permitting accelerated printing speeds in a line printer. (4th September 1973).
- 2322/Cal/73. E. I. Du Pont De Nemours & Co., Cobalt and nickel alloys & to articles formed therefrom.
- 2323/Cal/73. E. I. Du Pont De Nemours and Company. Mechanical systems comprising two metallic surfaces which are maintained in sliding contact with each other.
- 2324/Cal/73. Basf Aktiengesellschaft. Pyrogatechol ethers.
- 2325/Cal/73. Pilkington Brothers Limited. Improvements in or relating to moulding glass articles. (20th October 1972).

APPLICATION FOR PATENTS FILED AT PATENT OFFICE (BOMBAY BRANCH).

21st September 1973.

- 314/BOM/1973. The Bombay Textile Research Association. An electrolytic process with mixtures of reducing agents for maintaining reduced state in vat dye baths.

24th September 1973.

- 315/BOM/1973. Dr. M. P. Vakil. The analysis of the visible part of solar rays (light).

25th September 1973.

- 316/BOM/1973. S. A. Puranik. Improvements in and relating to electric shock protection device.

26th September 1973.

- 317/BOM/1973. H. F. Maneksha. An improved device for a positive blanking or making through of any pipe line connection. [Addition to No. 154/Bom-73].

27th September 1973.

- 318/BOM/1973. Writing Instruments Private Limited. Improvements in or relating to writing instruments.

29th September 1973.

- 319/BOM/1973. S. V. Wagle. The manufacture of para-aminophenol.

- 320/BOM/1973. H. H. R. Vaidya. Two in one screw driver.

1st October 1973.

321/BOM/1973. J. A. Gajjar. Manufacturing plastic hose pipe and an apparatus therefor.

322/BOM/1973. A. Kagalwala, R. Kagalwala and R. Kagalwala. Improvements in or relating to fluorescent lamps.

3rd October 1973.

323/BOM/1973. B. H. Sarcen. Single phasing and unbalanced voltage protector.

324/BOM/1973. V. S. Vaidya. Fitting for fire fighting equipment.

325/BOM/1973. N. K. Manohar. Improved switches.

326/BOM/1973. Chemicals and Fibres of India Limited. Method and apparatus for the production of high modulus, high tenacity heat stabilised synthetic filaments.

4th October 1973.

327/BOM/1973. Dr. M. P. Vakil. The improved shuttle for weaving machines (looms).

328/BOM/1973. R. L. Nagle. A multiple chapati making device for domestic use.

329/BOM/1973. K. V. Radhakrishnan. Kinetic forging and forgina machines.

APPLICATION FOR PATENTS FILED AT PATENT OFFICE (MADRAS BRANCH).

3rd October 1973.

136/MAS/1973. The Associated Cement Companies Limited. Apron feeder.

8th October 1973.

137/MAS/1973. A. S. Adikesavan. Calendar in cubes.

9th October 1973.

138/MAS/1973. A. J. Pinto. Suction method in aero-wings for better lift, using a jet pump.

10th October 1973.

139/MAS/1973. K. Kanakaraj. A boring and facing attachment.

12th October 1973.

140/MAS/1973. P. M. Mathew. Electric pulse operated switch.

141/MAS/1973. The Associated Cement Companies Limited. Reciprocating feeder.

ALTERATION OF DATE

135476(883/Cal/73). Ante-dated to 8th June 1971.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patents Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra if sent out of India). Requisition for the supply of

the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 32F₃C.

108853

A PROCESS FOR THE ISOLATION OF CONSTITUENTS OF *PASPALUM SCORBICULATUM* WHICH POSSESS TRANQUILIZING PROPERTIES.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-1, INDIA.

Application No. 108853 filed January 16, 1967.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

3 Claims.—No drawings.

A process for the isolation and fractionation of the individual constituents of *Paspalum Scorbiculatum* which possess tranquilizing properties especially a sterol designated PS. 1 m.p. 140-141°C; (–)D-37.5° (CHCl₃) acetate m.p. 134-135° (d)D-46 (CHCl₃) obtained in a pure state and possessing profound tranquilizing properties which consists in extracting extracts of *Paspalum Scorbiculatum* with non-polar solvents and subjecting the extractable material to chromatographic fractionation.

CLASS 32F₃a.

111703

PROCESS FOR THE MANUFACTURE OF 6-METHOXY-OR 6-ETHOXY-CROTONIC ACID ESTERS.

SPEZIALCHEMIE GMBH & CO, OF ZSCHOKKESTRASSE 36, MUNICH 12, FEDERAL REPUBLIC OF GERMANY.

Application No. 111703 filed July 27, 1967.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

4 Claims.—No drawings.

Process for the manufacture of β-methoxy- or β-ethoxy-crotonate characterised in that a mixture of ethyl-acetoacetate and methyl or ethyl-orthoformate is treated with a methyl or ethyl alcohol respectively, and alkoxylated with 1 to 5 g or ml of concentrated hydrogen halide acid (as catalyst) at ordinary temperature, and distilled without being subjected to a previous step of boiling under reflux.

CLASS 32F₃a.

114706

A PROCESS FOR THE PREPARATION OF NITROFURFURALDEHYDE COMPOUNDS.

M/S. KARAMCHAND PREMCHAND PRIVATE LIMITED, OF POST BOX 28, AHMEDABAD GUJARAT STATE, INDIA.

Application No. 114706 filed February 24, 1968.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

5 Claims.

A process for the preparation of nitrofurfuraldehyde compounds of the general formula as shown in Fig. 1 of the drawings accompanying the provisional specification wherein X and Y can be the same or different, and they can be in any position from 2 to 5 in the benzene ring, and X and Y represent nitro, amino, chloro or alkyl group containing 1 to 5 carbon atoms except when X is chloro and in position 2, Y is chloro or nitro and in position 4, and when X is nitro and in position 2, Y is methyl and position 4, which comprises reacting compounds of the general formula as shown in Fig. 2 of the drawing accompanying the provisional specification wherein X and Y have the same meaning as defined for Fig. 1 above with 5-nitrofurfuraldehyde or its diacyl derivative like 5-nitrofurfuraldehyde diacetate in a solvent with or without

an acid or a base catalyst at temperatures between 10° and 100°C.

CLASS 32F₂b. 126527

A PROCESS FOR THE PREPARATION OF 1, 2-DISUBSTITUTED-4-PYRAZOLIDINOLS.

A. H. ROBINS COMPANY, INCORPORATED, OF 1407 CUMMINGS DRIVE, RICHMOND, VIRGINIA 23220, UNITED STATES OF AMERICA.

Application No. 126527 filed May 5, 1970.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

7 Claims.

A process for the preparation of 1, 2-disubstituted-4-pyrazolidinols having the formula I shown in the accompanying drawings, wherein R¹ is lower alkyl and R² is selected from the group consisting of lower alkyl other than R¹, lower cycloalkyl, and phenyl lower alkyl which process comprises reacting a 1, 2-disubstituted hydrazine having the formula VII shown in Fig. 1 of the drawings, wherein R¹ and R² are as defined above with a compound selected from the group consisting of epihalohydrin and 1, 3-digalo-2-propanol in basic aqueous solution.

CLASS 150F. 131649

MEANS FOR JOINTING PIPES.

ORIENT TRADING COMPANY, OF 148 DHARAMPETH EXTENSION, NAGPUR, MAHARASHTRA, INDIA.

Application No. 131649 filed June 8, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

10 Claims.

A means for jointing pipes comprising an annular gasket of rubber or like flexible material, having the following characteristics:—(i) it is adapted for use in the formation of the joint between the outer pipe member and the inner pipe member; (ii) it has an axial dimension greater than the radial dimension of any part thereof; (iii) it has two axial parts, one of them being of a larger diameter than the other and (iv) it is capable of being attached to the outer or inner pipe member, prior to the assembly of the joint and in which the inner diameter of the gasket tapers from a maximum on one end to a minimum on the other end, the maximum diameter being at the end that is in contact with the face of the outer pipe member, and wherein both axial parts thereof are constructed of resilient rubber, one part being made of less readily deformable rubber and this harder part terminating in the shape of a flange and on being attached to the said outer member of the pipe the flange face remaining outside the joint but in firm contact with the face of the outer pipe member.

CLASS 150F. 131650.

IMPROVEMENTS IN OR RELATING TO PIPE-JOINTS.

ORIENT TRADING COMPANY, OF 148 DHARAMPETH EXTENSION, NAGPUR, MAHARASHTRA, INDIA.

Application No. 131650 filed June 8, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)—Patent Office, Bombay Branch.

11 Claims.

An annular gasket made of rubber, or any other flexible material, capable of being located in the first groove between an outer pipe member and an inner pipe member is characterised by having an axial dimension greater than the radial dimension of any part thereof, the maximum radial thickness of the gasket is greater than the radial space between the outer pipe member and the telescoped inner pipe, and the radial thickness at the two axial ends of the gasket is less than the radial space between pipe members, and wherein the radially thick part of the said gasket is made of soft resilient rubber and the two axial ends are reinforced by insertion of harder section into the soft resilient part.

CLASS 40C and 148L. 132128

METHOD OF MAKING PHOTOGRAPHIC SILVER HALIDE EMULSION.

EASTMAN KODAK COMPANY, OF 343 STATE STREET, ROCHESTER, NEW YORK, 14650, UNITED STATES OF AMERICA.

Application No. 132128 filed July 15, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

20 Claims.

A method of making a photographic silver halide emulsion which comprises precipitating grains having an average diameter not greater than 0.2 micron, chemically sensitizing the grains with at least 50 milligrams of a noble metal, as hereinbefore described, per mole of the silver halide and a weight of liabile sulphur of from one fifteen to one seventyfifth of the noble metal, and spectrally sensitizing the grains with a methine dye.

CLASS 172D₄. 132207

A SPINDLE ATTACHMENT FOR RING SPINNING AND RING TWISTING SPINDLES.

MASCHINENFABRIK RIETER A. G., OF WINTERTHUR, SWITZERLAND.

Application No. 132207 filed July 22, 1971.

Convention date November 19, 1970 (54984/70) U.K. Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

19 Claims.

A spindle attachment for ring spinning and ring twisting spindles which is arranged coaxially on the upper part of a spindle and which comprises a yarn-engaging head with longitudinal grooves which is connected to the spindle through a shaft and which tapers conically towards the spindle, the shaft diameter amounting to less than one third of the spindle diameter, characterized in that the length of the shaft, as measured from the upper end of the spindle to a point where the head cone joins the shaft, is longer than two thirds and shorter than three times the shaft diameter whilst the length of the engaging head, as measured from the upper edge of the engaging head to the point where the head cone joins the shaft, is one and a half to four times greater than the length of the shaft, the head cone extending at an angle of 8° to 13° relative to the axis of rotation of the spindle.

CLASS 32E & 40C. 132308.

PROCESS OF MAKING HETEROGENEOUS POLYMER PARTICLES.

IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, S. W. 1, ENGLAND.

Application No. 132308 filed July 30, 1971.

Convention date August 10, 1970 (38365/70) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)—Patent Office, Calcutta.

16 Claims.

A process for the preparation of a non-aqueous dispersion of heterogeneous polymer particles comprising polymerising a monomer B in solution in an organic liquid in the presence in the liquid of a stable dispersion of particles of polymer A, monomer B producing a polymer B which is insoluble in the organic liquid and incompatible with polymer A and also monomer B swelling polymer A by at least 10% by weight and the particles of polymer A containing an initiator or catalyst for the polymerisation of monomer B.

CLASS 48C and 136C.

132371.

PROCESS AND DEVICE FOR MAKING AN INSULATION COVER FOR ELECTRIC WIRES.

VASUDEV KEWALRAM MAHTANI, 78, KALACHOWKI ROAD, LALBAUG, BOMBAY 33 MAHARASHTRA, INDIA.

Application No. 132371 filed August 4, 1971.

Appropriate office for opposition proceedings. (Rule 4, Patents Rules 1972) Patent Office, BOMBAY BRANCH.

6 Claims.

A process for making an insulation cover for electric wire(s) which comprises the steps of processing a plastic material with heat, extruding said plastic material through a horse-shoe shaped die thereby assuming the shape of the die, rolling the shaped plastic material by means of a jig so that the two opposed edges of the shaped plastic material meet which is guided by a ring arm to guard the shaped plastic material against fusing or adhering to the surrounding walls and led to the final forming die so that the opposing edges overlap, the plastic material so shaped is quickly cooled while being guarded by a form-preserving ring for retaining the shape of the plastic material.

CLASS 170D.

132548

SOAP-SYNTHETIC DETERGENT TABLETS.

HINDUSTAN LEVER LIMITED, OF HINDUSTAN LEVER HOUSE, 165-166, BACKBAY RECLAMATION, BOMBAY 1, INDIA.

Application No. 132548 filed August 17, 1971.

Convention date August 18, 1970 (39809/70) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Bombay Branch.

13 Claims.

A personal washing tablet whose active detergent content consists essentially of an alkali metal tallow soap as defined herein and a synthetic detergent, present in an amount of 3-40% by weight of the total active detergent, wherein said synthetic detergent is of molecular structure having: (i) a hydrocarbon chain having a total of 4-12 carbon atoms, there being not more than 10 carbon atoms in a linear chain; (ii) a group selected from amido, alkyl substituted amido, amino, alkyl substituted amino, and ester; (iii) an alkali metal, alkaline earth metal, ammonium or substituted ammonium salt of a sulphate or sulphonate group, separated by either a benzene ring or by a chain of 1-3 carbon atoms which may be alkyl or (alkyl COO) substituted, from group (ii); and (iv) 8-18 (inclusive) carbon atoms in total.

CLASS 163B3.

132594.

HYDRAULIC SWASH PLATE PUMP.

DOWTY TECHNICAL DEVELOPMENTS LIMITED OF BROCKHAMPTON PARK, BROCKHAMPTON, CHELTENHAM, ENGLAND.

Application No. 132594 filed August 20, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)—Patent Office, Calcutta.

8 Claims.

A swash plate pump as hereinbefore defined including a casing surrounding the swash plate and the cylinder block, hydro-knetic pumping means formed on or in the cylinder block, and a liquid inlet to the casing arranged so that the liquid entering through the inlet will flow over the swash plate to and through the said hydro-knetic pumping means into a delivery region from which liquid enters the said valve means, the casing being formed in one piece having:—

- (a) a flat valve surface against which the cylinder block rotates, the said valve surface forming the said valve means,

- (b) a cylindrical valve surface surrounding part of the cylinder block and in which the cylinder block rotates, and characterized by

- (c) apertures supporting a transverse shaft carrying the swash plate for tilting movement, and

- (d) a servo-motor cylinder bore housing a servopiston arranged to adjust the inclination of the swash plate about the axis of the transverse shaft.

CLASS 154D.

132694

IMPROVEMENTS IN OR RELATING TO THE PROCESS FOR COATING ON PAPER FOR USE AS THERMOGRAPHIC PAPER.

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH. RAJI MARG, NEW DELHI—1, INDIA.

Application No. 132694 filed August 26, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

2 Claims.—No Drawings.

A process for coating on paper for use as thermographic paper which consists in (i) preparing a coating composition by dissolving white heat fusible particles of zinc stearate/calcium stearate in solvent ethyl alcohol/a mixture of toluene and acetone with or without ethyl cellulose and (ii) coating paper with the coating composition thus prepared characterised in that a heat fusible binder viz., palmitic acid/stearic acid is added to the coating composition and further characterised in that the ingredients are added in the following proportions viz.: palmitic acid/stearic acid, zinc stearate/calcium stearate with or without ethyl cellulose in the ratio of 5:5:0.5 to 8:5:0.5, and ethyl alcohol or a mixture of toluene and acetone in the ratio 1:4 is used as solvent whereby a better heat sensitive product is obtained.

CLASS 40E and 56G.

132727

A PROCESS OF FRACTIONAL SEPARATION OF SUBSTANCES OF DIFFERING VOLATILITY.

TREADWELL CORPORATION, OF THE UNITED STATES OF AMERICA, OF 1700 BROADWAY, NEW YORK, N. Y.

Application No. 132727 filed August 31, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

6 Claims.

A process of fractional separation of substances of differing volatility which comprises passing a feed composed of a mixture of the materials to be separated through a rectification zone at a temperature at which vaporization of at least some of the more volatile constituents takes place and contact between vapor and liquid is maintained until substantial equilibrium is reached, condensing at least a portion of the vapor and returning it to the rectification zone as reflux, transferring liquid from the rectification zone to a stripping zone having at least one stage, removing liquid from the stripping zone enriched in high boiling constituent of the mixture to be separated, reboiling a portion and passing the vapors up through stripping and rectification zones, maintaining a variable reflux, increasing down through the rectification zone to a maximum at feed inlet and then decreasing through the stripping zone, whereby the system operates at variable molal liquid overflow and excess heat is produced in rectification zones over that in stripping zones and transferring by indirect heat exchange the heat from rectification zones to corresponding stripping zones.

CLASS 32F₁F₂a.

132806.

PROCESS FOR PREPARING S-BENZYL-N, N-DISEC BUTYL THIOLCARBAMATE.

MONTECATINI EDISON S. P. A., OF 31, FORO BUONAPARTE, MILAN, ITALY.

Application No. 132806 filed September 6, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

1 Claim.

Process for preparing N, N-disec. butyl-s-benzylthiolcarbamate comprising reacting disec. butyl-carbamoyl chloride with benzyl mercaptan in the presence of HCl acceptors.

CLASS 85R.

132948

SHAFT FURNACES.

THYSSEN NIEDERRHEIN GMBH HUTTEN-UND WALZWERKE, OF 42 OBERHAUSEN, ESSENER STR. 66, FEDERAL REPUBLIC OF GERMANY.

Application No. 132948 filed September 17, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

8 Claims.

A shaft furnace particularly though not exclusively for the direct reduction of iron ore pellets, comprises a shaft, charging equipment and a discharging apparatus for material treated in the shaft furnace, in which the discharging apparatus works underneath a shaft mouth which is widened out into a cylinder or a cone and has a discharger, including a discharge table arranged at such a distance below the shaft mouth as to allow the formation on the discharge table of a truncated cone of material ready to be discharged, the discharger being reciprocable on a horizontal guide track below the shaft mouth to eject treated material at both sides which track extends beyond the shaft mouth by approximately the width of the shaft mouth at both ends of the reciprocating amplitude of the discharge table to form a slide over which the material being discharged is withdrawn, openings through which the discharged material can fall being associated with the guide track, and the discharge table approximating in breadth to the corresponding dimension of the shaft mouth and, in the direction of the reciprocation to approximately half the width of the shaft mouth.

CLASS 32E & 152E.

133003

A PROCESS FOR CURING EPOXY RESINS.

FERTILIZER CORPORATION OF INDIA LIMITED P.O. SINDRI, DIST. DHANBAD, BIHAR.

Application No. 133003 filed September 22, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

7 Claims—No drawings.

A process for curing epoxy resins under conventional curing conditions characterised in that an amido-polyimine prepared by:—

- reacting commercial dehydrated castor oil with polyimine of the formula $NH_2(C_6H_4NH)_nH$, where $n=2$ or 3 and
- removing the glycerol and unreacted amine by distillation under reduced pressure is used as a curing agent.

CLASS 34A & 148L.

133164

APPARATUS FOR LONGITUDINALLY STRETCHING CONTINUOUS, ORGANIC POLYMERIC, THERMOPLASTIC FILM

AGFA-GEVAERT N.V., OF SEPTESTRAAT 27, MORTSEL, BELGIUM.

Application No. 133164 filed October 7, 1971.

Convention date October 30, 1970 (51780/70) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

5 Claims.

Apparatus for longitudinally stretching continuous, organic polymeric, thermoplastic film, comprising:

- a rotatable and heated film supporting roller and a rotatable and cooled film supporting roller, said rollers running parallel with each other and having each a peripheral metal surface with mirrorlike finish, the spacing between the rollers being not greater than 10 milli-meters.
- an elongate infrared heater, the frontside of which is closely spaced from a tangent plane to the rollers and the axis of which is located about halfway of the distance between the two roller axes,
- means for advancing a film so that the film comes into contact with the periphery of the first roller of said pair of rollers at a first speed,
- and means for pulling said film over the second roller at a second speed which is greater than said first speed.

CLASS 32F₃C.

133241

PROCESS FOR THE PRODUCTION OF METHANOL

SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ N. V., OF 30, CAREL VAN BYLANDTLAAN, THE HAGUE, THE NETHERLANDS.

Application No. 133241 filed October 15, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

17 Claims—No drawings.

Process for the production of methanol, which process comprises causing carbon monoxide and hydrogen to react in the presence of a catalyst comprising oxides of copper, of zinc and of didymium as herein described.

CLASS 128G.

133304

NOVEL MEDICAMENT—INJECTOR.

IMS LIMITED OF 1930 SANTA ANITA AVENUE, SOUTH EL MONTE, CALIFORNIA 91733, UNITED STATES OF AMERICA.

Application No. 133304 filed October 21, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

5 Claims

A novel medicament injector comprising; a cylindrical vial having an open end and a closed end, a resilient plug adapted to be inserted at least partially through said open end of said vial; a plurality of outwardly extending rings upon said plug engaging the walls of said vial with a press fit; a cylindrical member having one closed end, said cylindrical member holding a needle extending inwardly into said cylindrical member and having a sharpened inner end; said cylindrical member having a tip extending outwardly therefrom, said tip being an elongated member of generally uniform circular cross section and having a central fluid passage extending substantially the length of the tip, said tip terminating at one end in a zone of reduced cross-section which is either rounded or pointed, said zone having at least one fluid passage which communicates with said central fluid passage and forms an oblique angle with respect thereto interlocking means on said cylindrical member and cooperating interlocking means on said plug, the arrangement being such that, upon interlocking of said plug with said cylindrical member said vial is first held in an assembled but non-operating position and upon further interlocking of said plug with said cylindrical member, said plug is adapted to be pierced by said needle and said needle communicated with said vial without the application of substantial axial pressure on said plug is locked securely to said cylindrical member to permit aspiration upon withdrawal of said vial or to permit expulsion of the contents of said vial upon exertion of pressure on said vial.

CLASS 51D.

133859

A SHAVING HEAD HAVING SEPARATELY SPRUNG BLADES

N. V. PHILIPS' GLOEILAMPENFABRIEKEN, AT EM-MASINGEL 29, EINDHOVEN, NETHERLANDS.

Application No. 133859 filed December 6, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

4 Claims.

A shaving head for a dry-shaving apparatus comprising a circular shear plate and a cutter member which co-operates with the shear plate and has at least one separately sprung blade the body of which is arranged so as to be movable in an opening in a rotatably drivable blade carrier, whilst in operation the cutting edge of the blade, which edge extends substantially in a radial direction, is in resilient engagement with a shear plate which is spaced from the blade carrier, characterized in that the centre of gravity of the blade, which is mounted so as to be tiltable substantially in a radial direction and the cutting edge of which is resiliently held in engagement with the shear plate when idling and in the inoperative condition, is so situated with respect to the disc-shaped blade carrier that a centrifugal force, which in operation is produced by the rotation and acts at the centre of gravity will, when the engaged position of the cutting edge of the blade relative to the shear plate deviates from the initial engaged position, produce a restoring force which increases with increase in the said deviation and tends to position the body of the blade so that the weak thrust spring, which co-operates with the blade and exerts on it a force which is directed towards the shear plate and is of the order of magnitude of the inertial forces acting on the blade but exceeds them, is enabled to realize a renewed position of engagement between the cutting edge of the blade and the shear plate.

CLASS 63C.

133915

IMPROVEMENTS IN OR RELATING TO CARBON BRUSH USED IN ELECTRICAL MACHINES.

BHUBNESHWAR SINGH, OF 1, CROOKED LANE, CALCUTTA-1, STATE OF WEST BENGAL, INDIA.

Application No. 133915 filed December 10, 1971.

Addition to No. 125704.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

3 Claims.

Improvement in or modification of the method of connecting the pig tail to the carbon brush as claimed in claim 1 of Indian Patent specification No. 125704 characterised in that instead of metallising a part of the carbon brush and fusing or soldering therewith at the metallised part a metallic terminal block and to connect the pig tail thereto, a hole is drilled in the carbon block and the said hole is metallised and thereafter the pigtail is inserted therein and brazed.

CLASS 145C.

133949.

A METHOD OF MANUFACTURING MULTILAYER LAMINATED WATER-PROOF PAPER.

TSENTRALNY NAUCHNO-ISSEDOVATELSKY INSTITUT BUMAGI, OF POSELOK PRAVDINSKY MOSKOV-SKOI OBLASTI, ULITSA LENINA, 15/1, USSR.

Application No. 133949 filed December 15, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

3 Claims.

A method of manufacturing multilayer laminated water-proof and tear resistant paper, wherein the sheets of unbleached sulphate paper are glued together by oil bitumen mixed with polyisobutylene taken in the amount of 3-5% by weight of oil bitumen and wherein the glueing mixture is in the ratio of 1 : 1

to the weight of paper and are reinforced with fibre glass and thereafter compressed to form the laminate.

CLASS 127I.

134410

TOOL AND METHOD FOR TORQUING AND CRIMPING.

HUCK MANUFACTURING COMPANY, OF 2500 BELLEVUE AVENUE, DETROIT 7, STATE OF MICHIGAN, UNITED STATES OF AMERICA.

Application No. 134410, filed January 28, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

12 Claims.

A tool for both torquing and crimping a fastener comprising a male and female member adapted to be threaded together, said tool comprising a plurality of jaw members, housing means supporting said jaw members for relative axial movement and causing said jaw members to move radially for crimping upon such axial movement, a draw bar having one end connected to said jaw members for moving said jaw members axially, and drive means coupled to the opposite end of said draw bar, the drive means being rotatable about the tool axis so as to receive an input torque, the draw bar being coupled to the drive means by a mechanical linkage which converts rotational motion to axial motion, the drive means being rotatably mounted with respect to the jaw housing means.

CLASS 186A.

134474

IMPROVEMENTS IN OR RELATING TO ELECTRO-MECHANICAL FILTERS AND APPARATUS AND METHOD OF TRIMMING SAME.

SIEMENS AKTIENGESELLSCHAFT, A WEST GERMAN COMPANY OF BERLIN AND MUNICH, GERMANY (WEST).

Application No. 134474 filed February 2, 1972.

Convention date September 17, 1971 (43390/71) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

21 Claims.

An apparatus for trimming an electro-mechanical filter of the type having a plurality of mechanical resonators coupled via mechanical couplers to form a network with terminating resonators, each of which is linked to a respective electro-mechanical transducer, wherein a predetermined transmission characteristic is obtained by modification of individual elements of the filter whilst the filter is excited to perform mechanical oscillations by means of one of the electro-mechanical transducers, monitoring means being provided to sense the resultant oscillations and the frequencies of the measured extreme values thereof while the other of said electro-mechanical transducers is effectively in the open-circuit or short-circuit condition, computer means being provided for comparison of the theoretical and actual values of the monitored signals, and said computer being adapted to control a trimming device for adjustment of an individual filter element or elements in accordance with the required correcting conditions deduced by said computer from the resultant frequency differences.

CLASS 127G.

134604

FRICTION DRIVE.

ANDRE ZURCHER, OF ST-JEAN, 3280 MERIACH, CANTON OF FRIBOURG, SWITZERLAND.

Application No. 134604 filed February 14, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

5 Claims.

A friction drive comprising a drive housing, two substantially coaxial wheel disks, a respective friction ring having substan-

tially conical friction surfaces supported by each wheel disk, a drive shaft and a power take-off shaft, one of said wheel disks being connected with said drive shaft and the other wheel disk with the power take-off shaft, a rim of similar transmission mechanisms arranged substantially coaxially with respect to said friction rings, each of said transmission mechanisms comprising transmission means and guide means for said transmission means, said transmission means possessing substantially spherical transmission surfaces maintained in frictional contact with an associated one of said friction surfaces of said friction rings, an adjustment mechanism for the common and uniform pivoting of all of said transmission mechanisms in axial planes of the wheel disks for the infinite regulation of the transmission ratio of the friction drive, said adjustment mechanism comprising a rotatable plate member rotatably mounted in said drive housing for rotation about the axis of said wheel disks, said rotatable plate member being provided with control slot means inclined at a substantially uniform angle to a radius and controlling the guide means of all said transmission mechanisms, said transmission means of each transmission mechanism embodying two substantially spherical section shaped friction heads having uninterrupted external surfaces defining said transmission surfaces and a respective shaft portion mounted at each friction head, each said guide means embodying a bearing sleeve, said shaft portions being mounted in said bearing sleeve, a pair of disk members fixedly mounted in said drive housing, one of said disk members supporting all of the bearing sleeves and the other of said disk members guiding such bearing sleeves during adjustment in said axial planes, and wherein said rotatable plate member of the adjustment mechanism and said two fixedly mounted disk members are arranged at a spacing adjacent one another between said friction head situated at the one wheel disk and the friction head situated at the other wheel disk.

CLASS 33A. 134656

DEVICE FOR INGOT WITHDRAWAL FROM MOULD DURING CONTINUOUS CASTING OF METALS

FILIAL TSENTRALNOGO NAUCHNO-ISSLEDOVATELSKOGO INSTITUTA CHERNOI METALLURGII IMENI I.P. BARDINA, OF TULA, USSR.

Application No. 134656 filed February 17, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

8 Claims.

A device for withdrawing ingots from a mould during continuous casting of metals incorporating: a pulling stand with upper and lower rollers; freely rotating drums wrapped with endless chains and mounted on the said stand; the said endless chains made up of interconnected links which are built-up of pulling members carrying on the ingot side secured to them shaped insert pieces which are in direct contact with the ingot and whose contact surface ensure the withdrawal of the ingot without distorting its profile.

CLASS 3A, 40F, 88F and 132B. 134689

TRAY WITH SELF-GUIDED TARGET VALVES FOR GAS-LIQUID AND VAPOR LIQUID CONTACTING.

INSTITUTUL DE CERCETARE PROIECTARE TEHNOLÓGICA PENTRU PRELUCRAREA PENTRU PRELUCRAREA TITELULUI. STRASSE DILIGENTEI NR. 18. PLOIESTI, RUMANIA.

Application No. 134689 filed February 21, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

5 Claims.

Trays with self-guiding target valves for gas-liquid and vapor-liquid contacting, characterised in that they are made up of a profiled plate provided with weir and some orifices (a) vertically limited by some fixed parts placed under the tray plane with the convergent-tapered section towards the lower tray and having the lower edge sealed towards the exterior, in each orifice (a) being placed a self-guiding target valve having

the shape of the lateral surface of a truncated cone which, having the long base towards the upper tray, is continued under its lower circumference in the shape of convex spherical cap towards the lower tray and provided with a central orifice (b); the target valve being provided on the lateral surface of the truncated cone with slots (c) as well as blades slanted towards the interior of the truncated cone, and for limiting upper position of the target valves, on the profiled plate are mounted certain limiters placed radially above the orifices (a).

CLASS 205C & G. 135473

IMPROVEMENTS IN WHEEL ASSEMBLIES.

DUNLOP LIMITED, OF DUNLOP HOUSE, RYDER STREET, ST. JAMES'S, LONDON, S. W. 1., ENGLAND.

Application No. 957/1972 filed July 25, 1972.

Convention date July 27, 1971 (35228/71), U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

28 Claims.

A wheel assembly comprising a wheel having disc and rim portions and drive means in the form of a number of circumferentially spaced drive dogs resiliently mounted adjacent the inner periphery of the rim portion of the wheel and arranged to extend substantially parallel to the intended axis of rotation of the wheel.

CLASS 205C & G. 135474

IMPROVEMENTS IN WHEEL ASSEMBLIES.

DUNLOP LIMITED, OF DUNLOP HOUSE, RYDER STREET, ST. JAMES'S, LONDON, S.W.1., ENGLAND.

Application No. 958/1972 filed July 25, 1972.

Convention date July 27, 1971 (35228/1971) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

15 Claims.

A wheel assembly comprising a wheel having disc and rim portions, a drive means in the form of a number of circumferentially spaced drive dogs arranged to extend substantially parallel to the intended axis of rotation of the wheel assembly and an intermediate circumferentially extending heat isolating member arranged to extend between the drive dogs and the wheel.

CLASS 107H. 135475

DRIVE CIRCUITS

C.A.V. LIMITED, OF WELL STREET, BIRMINGHAM, ENGLAND.

Application No. 856/1972 filed July 13, 1972.

Convention date July 13, 1971 (32697/1971) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

13 Claims.

A drive circuit for effecting current flow in an inductive circuit and comprising in combination, a power transistor having its emitter collector circuit connected in series with the inductive circuit, an input transistor for controlling the power transistor, means for providing a signal representative of the current flowing in the inductive circuit, and means controlled by said signal whereby the mean value of current flowing in the inductive circuit will depend upon the magnitude of an input signal applied to the input transistor.

CLASS 68A. 135476

PROCESS FOR DISCHARGING THE BATTERY

THE UDYLLITE CORPORATION, DETROIT, MICHIGAN, UNITED STATES OF AMERICA.

Application No. 883/Cal/73 filed April 13, 1973.

Division of application No. 131645 filed June 8, 1971.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

14 Claims.

A process for discharging the battery having an electrode compartment containing at least one positive and one negative electrode with a metal surface comprising: (1) passing a halogen hydrate or its said thermal decomposition product, namely, halogen or water, into electrolyte solution such as herein defined; (2) passing said solution into the electrode compartment; and (3) completing the circuit between said positive and negative electrodes, thereby generating current.

CLASS 32B.

135477

HYDROCARBON SEPARATION PROCESS

UNIVERSAL OIL PRODUCTS COMPANY, OF NO. 10 UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, STATE OF ILLINOIS, U.S.A.

Application No. 1016/1972 filed July 29, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

9 Claims.

In a process for separating aromatic hydrocarbons from a feed containing a mixture of aromatic isomers including para-isomers, which process comprises contacting said feed with an adsorbent selected from the group consisting of type X and type Y zeolites and thereby selectively adsorbing said para-isomer with adsorbent, WHEREIN THE IMPROVEMENT comprises use of a zeolite containing about 1 to about 8 wt % water as measured on a volatile-free basis.

CLASS 180.

135479

A STOVE SUITED FOR DOMESTIC USE

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-1, INDIA.

Application No. 396/1972 filed June 2, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

11 Claims.

A stove comprising a cylinder with a grate for resting of fuel and an opening for entry of air characterised in that the cylinder is placed concentrically inside an outer cylinder, providing an air space between the two cylinders, a lid is provided to cover the annular space, the inner cylinder is lined inside with refractory material or clay, the outer cylinder is provided with (i) a door corresponding to the inner cylinder opening and (ii) an opening opposite the door whereby when the door is closed after lighting the oven, air for combustion enters the opposite opening, gets heated and the heated air enters the inner cylinder opening thereby avoiding dissipation of heat and utilising the heat thus saved for heating.

CLASS 86A, B & C.

135480

A COMPOSITE FURNITURE UNIT HAVING A BED IN COMBINATION WITH A PLURALITY OF SHELVES

SHAVAX KHURSHEDI KARANJIA, OF 3, DUAJI COURT, FIRST FLOOR, COLABA, BOMBAY 5, MAHARASHTRA STATE, INDIA.

Application No. 1209/1972 filed August 19, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)—Patent Office, Bombay Branch.

10 Claims.

A composite furniture unit having a bed in combination with a plurality of shelves for the display of books or other articles, said unit comprising a vertically disposed support frame and a vertically disposed partition wall located in the plane of said frame so as to form a receptacle on each side thereof, one receptacle being fitted with said shelves and another receptacle

housing said bed detachably provided therein so that said bed can be pulled out or pushed inside said another receptacle as required, the upper end of said bed being provided with support means for supporting the bed in a horizontal position after being pulled out of said receptacle.

CLASS 5D & 173B.

135481

AERIAL SPRAYING DEVICE

GARDEN ISLAND HELICOPTERS, INC., OF P.O. BOX 701, LIHUE, KAUAI, HAWAII.

Application No. 939/1972 filed July 22, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

10 Claims.

A unit for spraying agricultural chemicals, comprising at least one stiff elongated conduit, means disposed at the out-board extremity of said conduit for distributing the chemicals, means for attaching the in board extremity of said conduit to an aerial craft, said attaching means allowing substantially oscillatory movement of the conduit up and down with relation to the aerial craft, means effecting said oscillatory movement with relation to the aerial craft, said movement effecting means being adapted to allow elevation of the conduit upon contact with the ground, means for controlling flow of the agricultural chemical to said conduit.

CLASS 181.

135482

SEAL CONSTRUCTION.

STANADYNE, INC., OF 92 DEERFIELD ROAD, WINDSOR, CONNECTICUT, U.S.A. AND ALFRED MELVIN MOEN, OF 25 LAKEVIEW DRIVE, GRAFTON, OHIO, U.S.A.

Application No. 932/1972 filed July 21, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

12 Claims.

A seal for use in a fluid valve construction having first, second and third members and in which the first member is movable relative to the second member, a port in the second member in communication with the first member, said third member being on the opposite side of the second member from the first member, said seal including a port seal portion adapted to extend through the port and having an inner rim adapted to be in sealing contact with the first member, said port seal portion being movable relative to the second member for applying sealing pressure by the rim against the first member, a body portion surrounding said port seal portion with opposite sides thereof adapted to be positioned against the second and third members and in sealing contact therewith.

CLASS 69A.

135483

DRAW-OUT TYPE AIRBREAK CIRCUIT INTERRUPTERS HAVING STANDARDIZED POLE UNITS

MERLIN GERIN, OF RUE HENRI TARZE, 38, GRENOBLE, FRANCE.

Application No. 721/1972 filed June 30, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972)—Patent Office, Calcutta.

4 Claims.

A plurality of multi-pole draw-out type airbreak circuit interrupters having different voltage ratings, each circuit interrupter comprising a draw-out structure having a base element to support a plurality of parallelly juxtaposed pole units, and a control mechanism on said base element to operate said pole units, characterized in that each pole unit comprises an up-standing generally trough-shaped support member of insulating material having a pair of lateral interpolar dielectric screen members joined by a web portion, the upper part of said support member being spaced apart parallel disconnecting conductors ex-

tending through said web portion in a direction away from said screen members, the end of said conductors remotest from said support member carrying terminal contacts adapted to co-operate with stationary terminal contacts, the opposite end thereof being electrically connected to separable contact means adapted to draw an arc in said arc extinguishing chamber, the pole units of all circuit interrupters being of substantial identical construction and dimensions and rated for the highest voltage rating of said plurality of circuit interrupters, the distance between the pole units of each circuit interrupter being adapted to the specific voltage rating thereof thereby to limit the ground space of the circuit interrupters having a voltage rating lower than said highest voltage rating.

CLASS 154F.

135484

SHEET HANDLING APPARATUS FOR A PRINTING PRESS

MILLER PRINTING MACHINERY CO., AT 1101 REEDSDALE STREET, PITTSBURGH, PENNSYLVANIA, U.S.A.

Application No. 200/1972 filed May 15, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)—Patent Office, Calcutta.

11 Claims

Sheet handling apparatus for a sheet fed press having a first printing unit and a second printing unit comprising, a first cylinder having gripper means for engaging the leading edge of a sheet, a second cylinder positioned adjacent to said first cylinder, said second cylinder having engaging means to receive the leading edge of the sheet for printing on the obverse side of the sheet in the second printing unit and the trailing edge of the sheet for printing on the reverse side of the sheet in the second printing unit, operating means on said first cylinder to open said gripper means, actuating means for said operating means mounted adjacent to said first cylinder, said actuating means operable to periodically contact said operating means upon rotation of said first cylinder and open said gripper means at a predetermined location during each revolution of said first cylinder, and control means to adjust the position of said actuating means relative to the axis of said first cylinder to thereby control the location at which said operating means contacts said actuating means to open said gripper means and release the leading edge of said sheet when either the leading edge of the sheet or the trailing edge of the sheet reaches the tangent point between said first and second cylinder to thereby deliver either the leading edge of the sheet or the trailing edge of the sheet to said engaging means on said second cylinder.

CLASS 187F.

135485

MULTIPHONE

SULTAN SINGH JAIN, SHANTINAGAR AND SHANKAR PRASAD SHARMA A-14, SHANTINAGAR, BOTH OF ROORKEE DISTT SAHARANPUR, UTTAR PRADESH, INDIA.

Application No. 562/1972 filed June 15, 1972.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972)—Patent Office, Calcutta.

3 Claims

A multiphone which is a single telephone instrument connected to multiple telephone lines in which there is a provision to select any desired line with the help of a rotary-switch (2) which is rotated either according to an indication from a signalling unit (15) or according to number of a particular line required to be connected for conversing.

PATENTS SEALED

114356 127373 127883 127911 128447 128521 128555 128606 128611 128715 129639 130171 131155 131477 132026 132692 132814 133055 133601.

Amendment Proceedings under Section 57.

(1)

Notice is hereby given that Dow Badische Company, a corporation of Delaware, United States of America, whose principal place of business is at Williamsburg, Virginia, United States of America, have made an application under Section 57 of the Patents Act, 1970 for amendment of the specification of their application for patent No. 127382 for "Filament forming polyester and process for the production thereof". The amendments are by way of explanation correction and disclaimer. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17, or copies thereof can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(2)

Notice is hereby given that Veb Chemiekombinat Bitterfeld of 44 Bitterfeld, East Germany, a corporation organised under the laws of Eastern Germany have made an application under Section 57 of the Patents Act, 1970 for amendment of the specification of their application for patent No. 128659 for "Dyestuff condensation products, process for their preparation and synthetic resins whenever coloured therewith". The amendments are by way of explanation, correction and disclaimer. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 or copies thereof can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(3)

Notice is hereby given that Institut Elektrodinamiki Akademii Nauk Ukrainskoi SSR, of Kiev, Brest-Litovsky prospekt, 102, USSR, a national institution organized and existing under the laws of the Union of Soviet Socialist Republic have made an application under Section 57 of the Patents Act, 1970 for amendment Specification of their application for Patent No. 130248 for "Apparatus for measuring two parameters of impedances". The amendments are by way correction so as to define the invention more clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17, on any working day during usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notice at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

(4)

Notice is hereby given that Ralston Purina Company, a corporation of Missouri, U.S.A., Checkerboard Sq., St. Louis, Missouri 63199, a corporation of Missouri, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 130511 for "Method of preparing Vegetable protein food product and product obtained thereby". The amendments are by way of correction and disclaimer so as to ascertain the invention more correctly and clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on any working day during usual office hours or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

REGISTRATION OF ASSIGNMENTS LICENCES, ETC.
(PATENTS).

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

102204—M/s. General Refractories Company.

PATENTS DEEMED TO BE ENDORSED WITH THE
WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No. & Title of the invention

- 113476 (6-12-67) Fungicidal compositions.
- 113477 (6-12-67) Process for the solvent extraction of a hydrocarbon mixture.
- 113493 (8-12-66) Process for the production of ultrafine cement and apparatus therefor.
- 113502 (7-12-67) Process for purifying high boiling esters.
- 113527 (11-12-67) A process for the production of a support catalyst suitable for the preparation of organic esters.
- 113536 (11-12-67) New derivatives of 4-hydroxy coumarine and process for the preparation thereof.
- 113539 (11-12-67) New monoazo dyestuffs and processes for their manufacture and use.
- 113557 (12-12-67) Pyridazone derivatives and process for the production thereof.
- 113559 (12-12-67) Process for preparing polyolefins and polymerization catalysts therefor.
- 113565 (12-12-67) Black oil conversion process.
- 113572 (13-12-67) Process for reducing salt content of salt containing water.
- 113581 (13-12-67) Simultaneous production of bacterial amylase and proteinase.
- 113599 (14-12-67) Method of making a resorcinol-aldehyde resin.
- 113602 (14-12-67) Process for the manufacture of hexachlorocyclo hexane and products obtained thereby.
- 113608 (14-12-67) Method of curing emulsified meat composition.
- 113619 (15-12-67) A method of manufacturing synthetic cryolite from alkali fluorides.
- 113620 (15-12-67) Process for manufacturing synthetic cryolite from alkali silicofluoride.
- 113621 (15-12-67) Sulphonation process.
- 113626 (15-12-67) Process for removing calcium from the desilicated alkaline pulping waste liquor.
- 113637 (15-12-67) Process for the preparation of high per cent nitrogen monoxide.
- 113640 (8-2-67) Method of preparing a mixture of unsubstituted mono-olefinic aldehydes and mono olefinic mono-carboxylic acids.
- 113642 (15-12-67) Method of preparing defoaming, deaerating, and drainage aid compositions.
- 113643 (16-12-67) Improvements in or relating to the electrochemical production of O-amino-toluene from orthonitro-toluene.
- 113644 (16-12-67) A process for the manufacture of basic refractory materials.
- 113652 (16-12-67) Soluble resins, method of manufacturing them and products made thereof.

- 113655 (25-10-67) A method of producing calcined phosphate fertilisers.
- 113663 (18-12-67) Insecticidal mixtures.
- 113664 (18-12-67) Process for producing citric acid.
- 113665 (18-12-67) Process for producing high molecular weight homopolymers or copolymers of iso-olefin.
- 113668 (18-12-67) New N, N'-diglycidyl-bis-hydantoinyl derivatives, process for their production and use.
- 113669 (18-12-67) Process for the preparation in suspension of vinyl chloride polymers and copolymers in the presence of a titanium-containing catalytic system.
- 113670 (5-9-67) Isotropic boron nitride and method of making same.
- 113680 (19-12-67) Method of making vinyl chloride-ethylene-propylene terpolymer, rigid resinous composition containing such terpolymer and shaped articles made out of such composition.
- 113689 (19-12-67) Improvements relating to extractive distillation.
- 113690 (8-12-67) Method of producing oxygen at an elevated pressure from air and apparatus therefor.
- 113697 (19-12-67) Process for the continuous recovery of vinyl esters and carboxylic acids.
- 113705 (20-12-67) Novel phosphorodithiolates, process for preparing same and insecticidal and fungicidal compositions containing them.
- 113734 (21-10-65) Process for the preparation of chelate complexes suitable for the stabilisation of polymers against light and complexes thus prepared.
- 113738 (21-10-67) Azo pigments, their production and uses.
- 113770 (5-1-67) Herbicidal compositions.
- 113771 (6-1-67) Ammoniation of acids and production of fertilizers therefrom.
- 113772 (12-1-67) Hydrocarbon steam reforming process, a catalyst bed for use therein, fuel gases or synthesis gases, and hydrogen produced therefrom, and methanol or ammonia and its derivatives produced from the said synthesis gases.
- 113789 (26-12-67) Fungicidal composition comprising α , α dialkyl substituted 3-pyridine methanols.
- 113791 (26-12-67) Process for the preparation of vinyl monomers, by the catalytic dehydrogenation of hydrocarbons.
- 113799 (26-12-67) Method of and mills for grinding mineral materials.
- 113805 (27-12-67) A process for recovering acrolein.
- 113811 (27-12-67) Process for the production of calcium nitrate.
- 113814 (27-12-67) Disazo dyestuffs and processes for their manufacture.
- 113816 (27-12-67) Acrylic acid derivatives, process for their manufacture, and gelatin hardened therewith.
- 113820 (27-12-67) Process for manufacturing a dehydrogenation catalyst, the resulting catalyst and a process for dehydrogenating cyclic alcohols and ketones in the presence of this catalyst.

RENEWAL FEES PAID

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65971 68972 69372 69438 69453 69559 69657 69816
69886 72630 73629 73630 73927 73975 74034 74099
74231 74242 74267 74285 78094 78097 78100 78103
78728 78958 79077 79111 79112 79175 79176 79303

79319 79402 79448 79531 79533 79764 84388 84540
 84641 84642 84703 84704 84888 84919 84920 84979
 85027 85047 85075 85163 85191 85235 85274 85275
 85339 85971 87391 89862 90247 90362 90409 90445
 90470 90512 90542 90607 90662 90666 90673 90695
 90733 90756 90760 90821 90840 90863 90877 90878
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 96408 96428 96429 96441 96459 96464 96495 96524
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 96732 96772 97151 97654 98697 101094 101760 101827
 101828 101829 101830 101831 101845 101848 101856
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 102067 102068 102069 102070 102071 102113 102129
 102242 102300 102330 102338 102347 102409 102414
 102434 102473 102514 102560 102721 102730 102785
 102788 102986 102992 103778 106922 107204 107323
 107324 107407 107419 107588 107591 107683 107710
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 118375 118379 118387 118445 118449 118482 118497
 118574 118619 118642 118676 118680 118701 118704
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 131883 132918 133198

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

Class 1. No. 140795. Roneo Vickers India Ltd., Romeo House, 184 Jor Bagh, New, Delhi-3, India, an Indian Company, "Slotted angle", March 29, 1973.

Class 1. Nos. 140805 and 140806. The Director, Indian, Institute of Science, Bangalore-560012, Mysore State, India, Indian, "Ultraviolet water purifiers (sanitizers)", March 30, 1973.

Class 1. No. 140809. Kantilal Chunilal & Sons, a partnership firm registered under the Indian partnership Act, 80/82, Vithalwadi, Kalbadevi Road Bombay-2, Maharashtra, India, "Valve housing", April 3, 1973.

Class 1. Nos. 140851 and 140852. Cromelite (India) Private Ltd. P-35, India Exchange Place, Calcutta-1, State of West Bengal, India, a Company incorporated in India, "Chair", April 13, 1973.

Class 1. No. 140873. J.N. Electricals (India), 506, 1st Floor, Bazar Teliwara, Delhi, (An Indian Partnership Concern), "Toaster", April 23, 1973.

Class 1. Nos. 140937 and 140938. B. Chawla & Sons, 17/14 Shakti Nagar, Delhi (An Indian Proprietary Concern) An Indian National, "Mudguard Mirror with stand", May 7, 1973.

Class 1. No. 140970. Rex Auto Products, 3060-Bahadurgarh Road, Delhi Indian Partnership Concern, "Mirror stand", May 18, 1973.

Class 1. No. 141135. Zambsons & Co., Pili Kothi, Sant Nagar, Karnal (Haryana), an Indian Partnership firm, "Injectors", July 28, 1973.

Class 1. No. 141142. Raingow Industries, 2061, Rod Garan Lal Kuan, Delhi 6, an Indian partnership concern, "Heaters", July 30, 1973.

Class 3. No. 140803. Writing Instruments Private Limited, Industrial Assurance Building, 3rd Floor, Churchgate, Bombay-20, BR, State of Maharashtra, India an Indian Private Limited Company, "A cap for a fountain pen", March 30, 1973.

Class 3. No. 140804. Writing Instruments Private Limited, Industrial Assurance Building, 3rd Floor, Churchgate, Bombay-20, BR, State of Maharashtra, India an Indian Private Limited Company, "A fountain pen", March 30, 1973.

Class 3. No. 140807. Sam Fruchshaw Bengali, Kanak Vihar, 511 Adenwala Road, Matunga, Bombay-19, State of Maharashtra, India, an Indian National, trading as Ruby Representations, "The frame of a wall calendar", March 30, 1973.

Class 3. No. 140810. Kantilal Chunilal & Sons, an Indian firm registered under Indian Partnership Act, 80/82, Vithalwadi, Kalbadevi Road, Bombay-2, Maharashtra, India, "Pressure pad for valve plate", April 3, 1973.

Class 3. No. 140811. Kantilal Chunilal & Sons, an Indian firm registered under Indian Partnership Act, 80/82, Vithalwadi, Kalbadevi Road, Bombay-2, Maharashtra, India, "Value Plate", April 3, 1973.

Class 3. No. 140870. Talapatra Enterprise, D-251, Defence Colony, New Delhi-24, Indian National, "Pvc and rubber soles for footwear", April 21, 1973.

Class 3. Nos. 140874 to 140879. Kosmetik Private Limited, Sorab House, 524, Senapati Dapatt Marg, Dadar, Bombay-28, DD., Maharashtra, Indian Company, "Toys", April 23, 1973.

Class 3. No. 140889. Jaikumar Chaganmal Patni, an Indian of Unit 116, A to Z Industrial Estate, Fergusson Road, Lower Parel, Bombay-400013, Maharashtra, India, "Medicine applicator", April 27, 1973.

Class 10. No. 140848. Haryana Udyog, 56-B, Rama Marg, Najafgarh Road, Industrial Area, New Delhi-15, an Indian Partnership concern, "Shoes for footwear", April 13, 1973.

Class 10. No. 140849. Haryana Udyog, 56-B, Rama Marg, Najafgarh Road, Industrial Area, New Delhi-15, an Indian Partnership concern, "Chappals for footwear", April 13, 1973.

Class 10. No. 140869. Talapatra Enterprise D-251, Defence Colony, New Delhi-24, Indian, "Footwear", April 21, 1973.

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Design No. 131083, Class—1.

Design Nos. 134279 to 134281 Class—10.

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S. VEDARAMAN,
Controller-General of Patents, Designs and
Trade Marks.

